

## AQ LS 4.5 Reading Guide

### How Do Scientist Measure Acidity?



Read page 208 and complete the chart below with details that explain how scientists measure acidity.

What is a pH Scale?

What is neutral?

Measuring Acidity

Acid

Bases

Hydroxide Ions

1. What does it mean when a solution has a pH less than 7?
2. What does it mean if a solution has a pH higher than 7?
3. How is the interval between numbers on the pH scale different from the interval on a number line?



Read Be a Scientist on page 209 and complete the chart below.

<b>What are indicators?</b>	<b>Why Red Cabbage Juice?</b>
<b>What color indicates an acid?</b>	<b>What color indicates a base?</b>



Read page 210 and 211 and write all the details that support the main ideas.

Main Idea	Details
Lichen	
Litmus Paper	
Universal indicators	
pH paper	
pH Meters	